

WALT make 3D shapes

Shape: Cube

It has edges.

It has vertices (corners).

It has faces.

Now make it:

1. First lay out 12 lolly sticks/cotton buds.
2. Next attach a small blob of blue tack/playdough on to the end of each lolly stick/cotton bud.
3. Take 4 lolly sticks/ cotton buds and join together to make a square
4. Now take another 4 lolly sticks/ cotton buds and join together to make another square
5. Using the remaining 4 lolly sticks/ cotton buds, join the 2 squares together at the vertices to make a cube.
6. Describe your shape using the words “**vertices**”, “**edges**” and “**faces**”.

Shape: Cuboid

It has edges.

It has vertices (corners).

It has faces.

Now make it:

1. First lay out 16 lolly sticks/cotton buds.
2. Next attach a small blob of blue tack/playdough on to the end of each lolly stick/cotton bud.
3. Take 6 lolly sticks/ cotton buds and join together to make a rectangle.
4. Now take another 6 lolly sticks/ cotton buds and join together to make another rectangle.
5. Using the remaining 4 lolly sticks/ cotton buds, join the 2 rectangles together at the vertices to make a cuboid.
6. Describe your shape using the words “**vertices**”, “**edges**” and “**faces**”.

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Shape: Square Based Pyramid

It has edges.

It has vertices (corners).

It has faces.

Now make it:

1. First lay out 8 lolly sticks/cotton buds.
2. Next attach a small blob of blue tack/playdough on to the end of each lolly stick/cotton bud.
3. Take 4 lolly sticks/ cotton buds and join together to make a square
4. Using the remaining 4 lolly sticks/ cotton buds, make a triangle to sit on top of your square to make a square based pyramid.
5. Describe your shape using the words “**vertices**”, “**edges**” and “**faces**”.

Shape: Triangular Prism

It has edges.

It has vertices (corners).

It has faces.

Now make it:

1. First lay out 6 lolly sticks/cotton buds.
2. Next attach a small blob of blue tack/playdough on to the end of each lolly stick/cotton bud.
3. Take 3 lolly sticks and join together to make a triangle.
4. Using the remaining 3 lolly sticks/ cotton buds, make another triangle to sit on top of your other triangle to make a triangular prism.
5. Describe your shape using the words “**vertices**”, “**edges**” and “**faces**”.